

Converting Colors

XYZ(28.6711, 24.5373, 4.9765)

Have a look what the booklet for
XYZ(28.6711, 24.5373, 4.9765)
contains.

XYZ(28.6690, 24.5337, 4.9747)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.6690, 24.5337,
4.9747)**

Conversions

Conversions Part 1

Format	Color
Hex	C07725
RGB	192, 119, 37
RGB Percent	75%, 47%, 15%
CMY	0.2471, 0.5333, 0.8549
CMYK	0.00, 0.38, 0.81, 0.25
HSL	32°, 68%, 45%
HSV	32°, 81%, 75%
XYZ	28.6690, 24.5337, 4.9747
YIQ	131.4790, 69.8300, -10.0260

Conversions

Conversions Part 2

Format	Color
R_{YB}	175, 192, 37
Decimal	12613413
CIE _{Lab}	56.62, 22.31, 53.71
CIE _{LCh}	57, 58.155, 67.439
Yxy	24.5337, 0.4928, 0.4217
Android (android.graphics.Color)	4290803493 (0xFFC07725)
YUV	131.4790, -46.5781, 53.0769
Hunter-Lab	49.5315, 16.6363, 28.7173

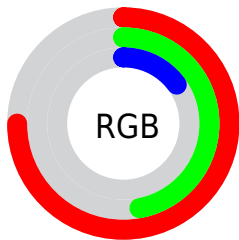
Details

The XYZ color **28.6690, 24.5337, 4.9747** is a dark color, and the websafe version is hex **996600**.

The color can be described as dark muted orange. A complement of this color would be **15.8530, 15.3502, 51.9962**, and the grayscale version is **21.8898, 23.0298, 25.0795**.

A 20% lighter version of the original color is **56.8741, 50.7297, 16.2454**, and **11.8630, 9.3669, 1.1827** is the 20% darker color. If you saturate the color by 10%, you get **27.4177, 22.3934, 3.4411**, and if you desaturate by 10%, it is **30.1822, 26.9447, 7.3775**.

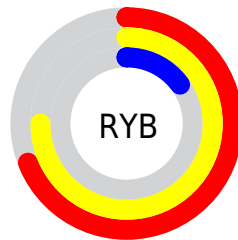
Distribution



Red (75%)

Green (47%)

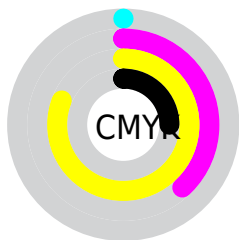
Blue (15%)



Red (69%)

Yellow (75%)

Blue (15%)

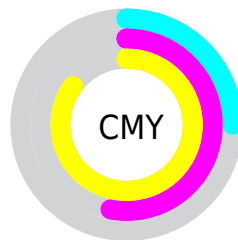


Cyan (0%)

Magenta (38%)

Yellow (81%)

Black (25%)



Cyan (25%)


Magenta (53%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6690, 24.5337, 4.9747 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.6690, 24.5337, 4.9747 by changing the saturation by 10% instead.


 28.6690, 24.5337,
4.9747


 28.6690, 24.5337,
4.9747


287.6724,
275.5077, 158.5110


 18.9736, 15.7300,
2.1739


 56.9520, 50.8997,
16.2017


 11.7551, 9.3333,
0.6593


 76.2703, 69.2308,
25.4651

 6.6481, 4.9592,
0.0000


 99.5269, 91.5065,
37.7197

 3.2874, 2.2233,
0.0000

 127.0872,
118.1112, 53.3842

 1.3075, 0.7327,
0.0000

 159.3166,
149.4293, 72.8770

 0.1888, 0.0000,
0.0000

 196.5803,

 0.0000, 0.0000,

185.8451, 96.6167

0.0000

239.2438,
227.7431, 125.0219

■ 28.6690, 24.5337,
4.9747

■ 28.6690, 24.5337,
4.9747

■ 27.4177, 22.3934,
3.4411

■ 30.1822, 26.9447,
7.3775

■ 26.4483, 20.6267,
2.5874

■ 31.9803, 29.6367,
10.7640

■ 34.0848, 32.6238,
15.2325

■ 36.5144, 35.9173,
20.8689

■ 39.2859, 39.5280,
27.7502

■ 42.4152, 43.4660,
35.9469

■ 45.9165, 47.7407,
45.5242

■ 49.8037, 52.3612,
56.5427

■ 54.0895, 57.3360,
69.0597

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2356, 24.5337, 9.8724



28.6690, 24.5337, 4.9747



21.6758, 24.5337, 4.1929

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.6690, 24.5337, 4.9747



12.6591, 24.5337, 31.8283



32.1460, 24.5337, 68.5083

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.6690, 24.5337, 4.9747



15.8530, 15.3502, 51.9962

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.0422, 24.5337, 83.2329



28.6690, 24.5337, 4.9747



14.4462, 24.5337, 56.3332

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.6690, 24.5337, 4.9747



13.2574, 24.5337, 14.8257



18.6790, 24.5337, 77.9409



37.4984, 24.5337, 43.6903

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.6690, 24.5337, 4.9747



17.8274, 24.5337, 5.4243



18.6790, 24.5337, 77.9409



29.8353, 24.5337, 75.2384

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.6696, 24.5350, 4.9751



74.7042, 76.0794, 59.4191



25.3198, 13.6977, 16.6146



15.5918, 15.7736, 11.6113



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.6696, 24.5350, 4.9751



48.1976, 37.8581, 4.9823



40.2731, 48.7047, 9.0288



10.5044, 10.9402, 10.6199



17.8755, 14.0368, 1.7672



0.8409, 0.7436, 0.0992

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.8530, 15.3502, 51.9962



24.2506, 20.7784, 93.0928



11.0351, 5.5719, 50.3627



9.9107, 10.5126, 12.7916



8.9630, 7.6825, 34.5671



0.4562, 0.4698, 1.5165

Previews

White Background



This preview shows how the XYZ color 28.6690, 24.5337, 4.9747 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.6690, 24.5337, 4.9747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6690, 24.5337, 4.9747

Background



This preview shows how black text looks on a background with the XYZ color 28.6690, 24.5337, 4.9747.



This preview shows how white text looks on a background with the XYZ color 28.6690, 24.5337,

4.9747.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.6690, 24.5337, 4.9747

Protanopia

22.5004, 24.8308, 5.7974

Deuteranopia

24.9194, 24.4682, 4.8483



Tritanopia

31.7792, 24.4366, 20.4945

Trichromacy



Original Color

28.6690, 24.5337, 4.9747

Protanomaly

24.3020, 24.3340, 5.4236

Deuteranomaly

26.2128, 24.3664, 4.8350

Tritanomaly

30.3262, 24.3580, 12.5544

Monochromacy



Original Color

28.6690, 24.5337, 4.9747

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.8839, 22.8141, 14.5067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6690, 24.5337, 4.9747 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(192, 119, 37)` looks like.

```
.text, #text, p{  
    color:rgb(192, 119, 37)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(192, 119, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 119, 37) }
```

Border

The CSS property to change the border of an element to XYZ 28.6690, 24.5337, 4.9747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(192, 119, 37) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(192, 119, 37) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(192, 119, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 119, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 119, 37);  
box-shadow:4px 4px 4px 4px rgb(192, 119,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6690, 24.5337, 4.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 119, 37) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(192,  
119, 37) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor